Certificate of Ownership

1905

[illegible] – [illegible]
Los Angeles

Alamogordo Lumber Co.
Alamogordo
N. Mex
J. E. Pickrell
Gen Mgr.

Cut by the
New Mexico Pine
Lumber Co

Mr. W. F. Allen
Ruidoso
N. Mex.

Lepidium
alyssoides
Martyna alba

No. 264 for [illegible]
Aug. 17-1905 [illegible]
Mr. J. H. De Vinney [illegible]

[illegible] & [illegible]
[illegible] of [illegible]
[illegible]

Mr. R. C. Cadwalader
Mt Park
[illegible] City
Colorado, from Cleveland

24187
24188

Mr. Albert Walker
Cloudcroft
N.M.

95

Tues Aug. 8-1905
Left Iowa City Aug. 8
at 10.31 AM for W. Liberty
& Columbus Junction.

Wed Aug. 9-1905
Traveled through Kansas,
Oklahoma & Texas, and reached
New Mexico a little before
sundown. Took picture at Texline.
Everything looked bright &
green as a result of rain.
As we approached the
New Mexico line Yucca
with green fruit were
abundant.
Collected a few plants at
Nara Visa, N. Mex.

Thurs. Aug. 10.

Awoke at Three Springs, Mt. Hay. This is a beautiful bad one & toward the Pass is red desert, but not shifting sands. The desert looks bright & green very promising. Passed to Indio River & south for the white cruciferous very abundant in bloom. Also the tall pale Heliotrope. Like Campanile. A mile or less South Indio Pass. But the desert is still wooded, but Mesquit takes the place of Larrea. Collected plants, some that E.C.P. & Mr. had been brought by E.C.P. & S.W. & Messrs Martin, Dedman & Sullivan were gone. Also Mr. Barnes, who

to Cannon, Mex. The RR tracks are to be laid to El Paso within a year.

At 5¹⁵ P.M. started for Cloudcroft. Desert is fine, green.

Some Larrea still up. In big Canon on rocky slopes.

Cedars commence above Vic Springs. Dishwater

It rained hard in the morning and we were late getting to Cloudcroft, after 8 PM.

Everything was full at Lodge & Virginia Hotels, & the Virginia man got a room for me across the street W.

It has been raining up here for 3 or more weeks. There are many sorts there who are running

away from yellow fever.
Saw Dr. McCall, an S.W. Indian.
Med. on train coming up.

Friday, Aug. 11 1905
Worked S.E. from Cloudcroft
in dense woods. Found the
first here chiefly of
Douglas Spruce, Bull Pine &
a good many Silver Firs.
The Bull Pine is the three-
leaved one.
Found many plants, fungi
dimensels, & some shells.
Many plasmodia were seen
& a good many fresh-water
Rganies, etc.
It rained in the afternoon
and I got wet.
Pressed plants in the
evening.
Mr. Walker is in charge
of the Lodge.

The El Paso people call
Cloudcroft their "city-parlor".

Saturday, Aug. 12 1905

Took picture between 10
a.m. & 1 PM. along RR.
below Cloudcroft. Before
that pressed plants, made
presses, etc.
In the afternoon went
S.W. and picked up a
few plants and some
snails - especially the
large Pupa.
In evening changed & packed plates,
write up notes, & wrote
cards and letters.

Sunday, Aug. 13

Prepared to go out, but it rained during most of the day and I dared drains, wrote letters, and finally at 4:30 P.M. went out for a short walk S.E. Fungi were plentiful, I found a few plants & moss,

Monday Aug. 14, 1905

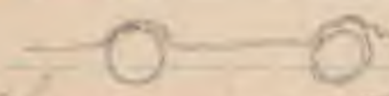
Left Clonegal for Rumi at 7^10 A.M. got to the Crossing, 1½ mi. down Russia Creek before 9 A.M. Found Mr. Allen & presented my letter. Gathered much interesting information from him.
Company still has about 33000 acres of forest land. – To last 15 yrs. on nets
Have been cutting 6 yrs.
Get 7-10000 ft. (log scale) per acre.
1½ millions ft. (log scale) per year.
Best wood is Red Spruce (Douglas Spruce)
Balsam (fir) was only for ties.
All the wood except small stuff 1st. in Creek

by the creosote method (boiling) at Alamogordo. White Fir is not certain. Hasn't been tried long enough. Won't lie on ground.

For estimating yields they step off about 10 different squares in each 160 acres, and count trees. Then experience enables estimates the cuts from each tree. These estimates have come out very well. They use the Shay geared locomotive made in Lima, Ohio.

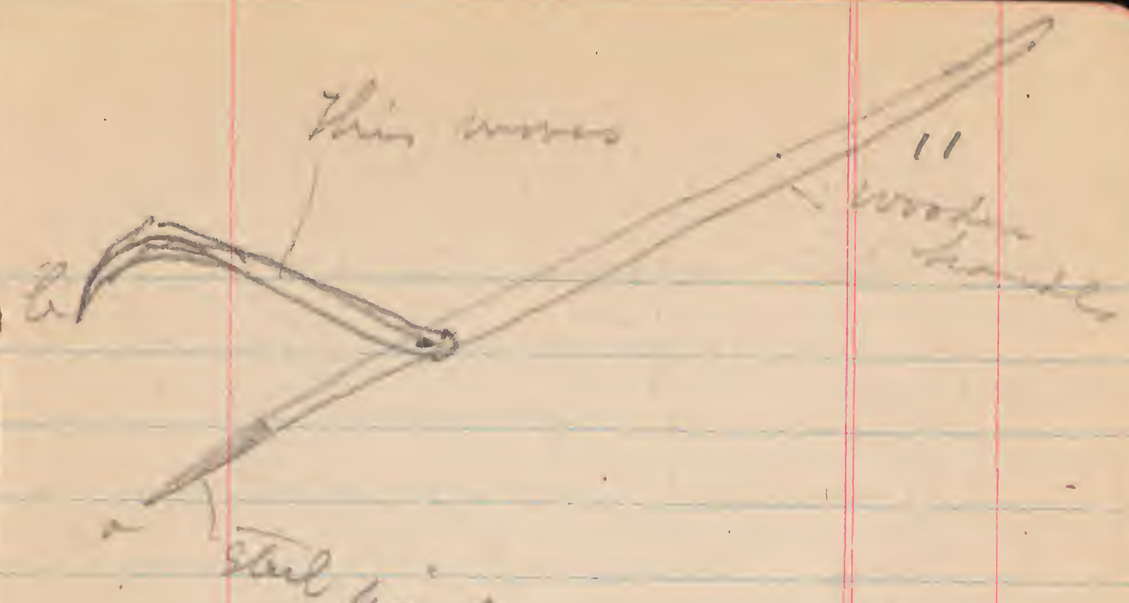
Mr. Allen referred me to Mr. Jos. Arndell at Lucas camp. Went to Lucas camp & saw lumbering there. A long swab sliding with a chain block & fall. Does it by carrying oil in a horn, dipping stick with rag flipper on it & flipping it & slapping birds with this as towards.

The boys use barrels oil in their pocks to cut tracks. The skidways are with from 6 to 8 in. stuff & rest on cross-ties.



They call this skidway a "slide"

They slide about 6 logs
16 & 20 ft.
Left in the smaller
Canon (South Canon)
they can logs together
from several shelves
& then drag them
down with a rope
or cable fast to the
rear log.
They use horses here —
a team — & it seems
to be hard work.
The Boomer Log loader
revolves (the "cab"
part, so that the
crane and "eye-bolts"
(log hooks) can be moved
in any direction.
The men handle
the logs with log-
hooks —
see diagram



The point (a) is driven in
log, etc. for pulling
and the hook (b) is put
over log to be moved, or over
log in which (a) is driven
Rode back from Owens
Camp to Ravin & to
Clondyke. Most of the
latter walk was made in the
dark, & the silence of
the forest was magnificent.
Notwithstanding that I was
loaded with a camera, plate-
case, basket, game-bag, and heavy
furs, I enjoyed the beauty
of the moonlight mountain-
ous country. The contra

shadows contrasted with the silvery sheen of the illuminated portions beautifully.

Memoranda:

I found Pinus flexilis some lower down, it is a summit species, the same is true of the White Fir. Balsam, on the other hand, is found lower down.

The White Pine seems to be scattered along from top to balsam slopes. The larger scrawny white oaks are most common upward.

I walked about 20 miles today: 1½ to 2 mi. from Russia to the Commissary, & 3 mi. from

latter to Lucas camp & about 2 miles up into Scott canon where the men were operating.

Tues. Aug. 15

Spent the day in drying plants & taking pictures. I took pictures in Cloudcroft & on & about the Lookout.

In the evening I wrote letters & changed plates. Packed exposed plates to ship by express.

Wed. Aug. 16

Got up at 5 a.m. & changed clothes & packed. Shifted my stuff, checked two grips to Dawson City, & left at 9 AM. for Alamogordo.

The log train had 15 cars of logs, – an average.

Had each grip the track on curve right on high bridge above Pinto, have everybody, a good scare.

Reached Alamogordo at noon & went to hotel.

Hunted up Clark & visited "cementing" plant where Mr. Caldwell explains process (see sheet)

They have two retorts, each 106 ft. long & at that they have this (54" each) on steel cars.

when full the retorts are closed & subjected to steaming, 3 to 7 hours, longer no. for green wood – & then pump out air & form vacuum, then turn in solution under pressure. They use the Chloride of Zinc & tannin process & for this a ½% sol. of glue. This is the Wellhouse process. In Burnettizing they do not use tannin or glue, any process could be used with these retorts, but storage tanks for the various liquids would have to be used.

Thur. Aug. 17.

Started for mountains early. Found a lot of plants, - both up especially the Larrea belt.

Cholla & the white Cruifixion are both common in lower part, - the latter especially, but both disappear upward, where it is more "boulderey."

Mesquit is scattered throughout, clear up into Ocotillo belt.

In the upper part there appear a few Ocotillos, Yuccas, an occasional Dasylirion, the shrub "sage" (Nina), the white "Rose" bush, & all the

cacti of the larger forms, all of these forms properly belonging with the Ocotillo belt.

Opuntias (flat) were finished remarkably.

Have been very much annoyed by Mosquitos!

The Ocotillo belt also has a few straggling Larreas.

Returned at 11 A.M. changed drins & crated blocks of wood. Caught beetles for Wickham & a few grasshoppers for Bonner, at the depot. Shipped (checked) one grip to this Camp.

Fri. Aug. 18.
Left Alabama at 6.15 AM.
Found Prof. Machride
on train. Spent the day
in sitting down, changing
cars, went to Jaroy
with Machride, the
Met Judge Waterman's
son who is the Rock Island
city agent.
Rained a little in PM

Sat. Aug. 19
Went out in morning train
at 9.40 AM. to
Anapa, 4 M. & walked
back. Collected many
plants, the tents
night at Anapa
by sandy, but near
the river it is rocky.
I worked along there

the Larrea bulk of
Opuntia belt flat.
A few cholla are found
in former,
Saw Spiraea alata in
sandy parts, but in
Opuntia belt the
other corner grew in
occasionally found
Saw the little wh. mint
shrub in Opuntia belt
in poor condition, did
not get any
At night changed
dresses, plates, etc.
Rained a little in PM
& people made a
great fuss over it.

Sun. Aug. 20

Spent forenoon in changing dress, etc. In afternoon went out ~~across~~ ~~F.V. Pkin~~, on street car — to Chuchu, last way up Mt. Rubidoux took pictures & plants. Spent evening in changing dress, etc.

Monday Aug. 21

Spent whole day in changing dress, drying paper, packing, etc. In evening checked value with plants, etc. a busy day.

Tues. Aug. 22

Changed dress, Aug. 22. Went out Towne ave to Pkin & the dams, & took a lot of pictures — in Le Pard.

RM. went to Jurg & collected plants & took pictures.

Spent evening in arranging & packing.

Wed. Aug. 23.

Packed, and left at 10 AM for Deming. Began Arizona this is sand, — dunes like Eg of Arizona. Then near Strauss the plain is flatter & less sandy — a reddish soil — with Bacharis, Yucca elata, and gray composite,

Members river at Deming.

Mentzelia, white Cryptantha, flat headed small yellow Compos., small pinnate flowered plant like Medicago — gray slender Artemisia, faint spring tag. (Hell. fl.)

The dust is yellow with the contrast between Prosopis & Larrea.

At Lanark the yellow was particularly brilliant — a perfect scarf of gold.

Beyond Lanark grass filling Tarbush Plant very abundant

Red malva (tree mall)

Saw no Ephedra — neural —

Larrea — a few in fruit. Earlier or many in fruit — a poor st.

Over a large area the Larrea & Prosopis are missing & quite flat only are visible.

Small lob. Compositae etc.

The Prosopis tufted plant stuff in common.

Also the coarse Larrea still on a plain. Though mountains are visible on both sides.

Violet (Pine bos) Aster

a horsemint

a thistle —

Verbena —!

Helianthus (annuus?)

Mentzelia, Cholla (fruit)

Meadow Aster!

Beyond Aden more grass, — a grassy plain

As we neared Deming
we crossed an arroyo
where there were great
clumps of the tree
standing legume,
shrub.
Reached Deming
about noon.
Did a little work
in the field, then
prepared to go
on to Lordsburg.
The Pullman limited was
so late, however, that
we put up at the
Victoria.

I saw Crumbile
fuchsiana, but got
no specs.

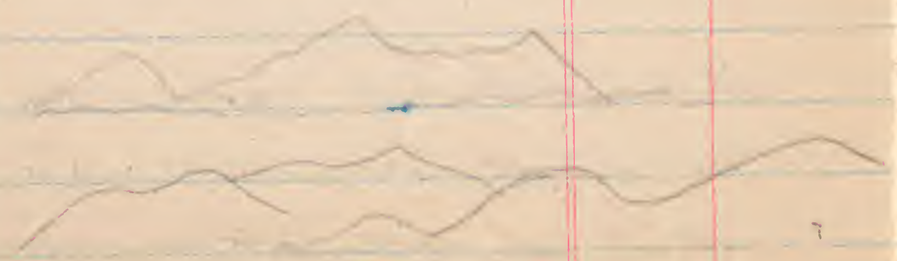
Th. Aug. 24

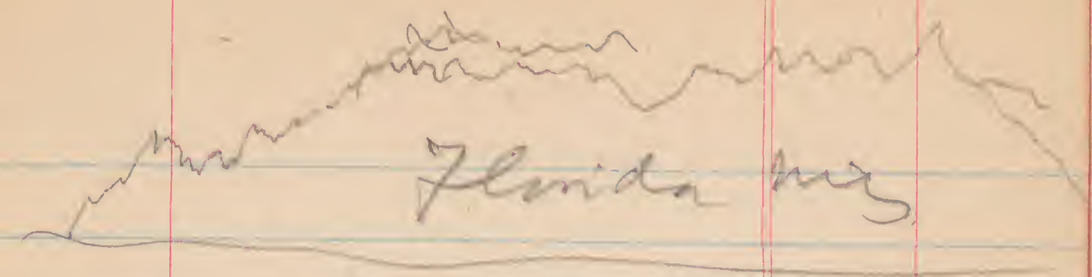
Went N. to River.
Has a dry arroyo
on the N. side of track
the surface is sandy
& leads down into
river. Neotoma d.
found near R.R. &
then a form of
Sp. occurs in rather
coarse yellow sand.
Fresh series of fields
near river. The
gray blue-bd. leg.
skink is common.
Left on the 2nd mi. of
Mr. 9 about 1 PM.
Jos Dixon.

I saw the flat Opuntia,
but got no specs.
Ant. Cus. at Deming.
Cottonwood, other cottonwood (see
fr.) Robinia, Morus, Mt. Ash.

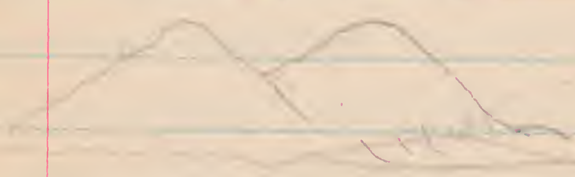
Cedar, trees at
Grage, N.M.
Mex. Ash, Populus alba,
Lombardy Poplar, Robinia

The country w. of Deming
continues sand, there
are young trees, on
better soil, mesquit
trees or no sand,
& yucca forests on sandy
soil. The plain
continues broad & flat,
& on all sides there
rise out of it over
mountain shapes.





These mountains have no
forests but are more or
less wooded with (it is said)
scrub oak, cedar & piñon.



All these mts. seem
to rise very abruptly
out of the plain.

A good ways beyond Page
the plain is grassy with
an occasional small
yucca. This
merges into a gray
sage-brush desert with
Ephedra & an occasional
yucca. There is
more or less grass here.
The sagebrush seems to
have been limited.
Ephedra dots the plain.
More yucca.
A little gray sage.
A great expanse of
Ephedra & yucca.
This was just before
reaching Hawkins, N.M.
No town.
Beyond Hawkins
more yucca & few
Ephedra.
Yuccas again first
& more grass.

The size of the units does
not appear so abrupt
when you get nearer to
them.
A little sagebrush again
& also resinous shrub
like Larrea (palo
verde) also gray shrub (Chenopo
with white ps.)
Had rained heavily
here. Big pools, etc.
Big cattle range near
mile post 1151. Red
desert grazed bare!
Abandoned ranch —
windmill, — dead trees.
Plain here almost
without shrubs.
Have entered Larrea
area nearly mile post
1148. At 1148, just
went out again.
This was just before
going into Lordsburg

We are Larrea belt
just a little, but large
areas can be seen
Towards the adjacent
mountains.
Lordsburg is built on
gravelly soil, — real
Larrea soil, only not
very rough gravel.
A small shower quites
us at Lordsburg.
Bill Smith & Deming have a good
many saddle horses.
Some weeping willows
at Lordsburg.
Larrea is infest in
town.
Not promising V. much
look fare.
N. of Lordsburg a
great grassy plain.

nearly 2 hrs. behind
time at Lordsburg.

We run in Larrea belt
W. of Lordsburg. Gravelly.
See Plat Opuntia - none
before this.
Yuccas few.
Coarse Yucca & Agave
(low) -
About 3 mi. out the
mountains close in
closer together, & the
valley is all Larrea belt
clear across.
The air is strong with
Larrea odor.
Get out of Larrea belt
after a while.
Some Yucca
Altodi flat — arbitish.
Coarser, — a few
saltbushes, etc. a pass.
This is a large basin
area.
Mountains are ragged.

again yucca belt
& then Larrea belt.
Mountains close in.
Saw quite a group
of Ocotillos,
~~Yellow Clematis~~
Stein's Pass is narrow.
Mts, rocky & rough,
Ought to be a good
field.
Ocotillo common,
All Larrea belt.
a few Dasylirion,
a cedar tree
Coarse Yucca,
agave in prime,
The plain is dark
with Larrea, mesquite
are near & rough.
Passed into Arizona
a great Larrea
plain

In Arizona.
Larrea
Dasylirion
Opuntia cholla
& coarse.
Ocotillo
Yellow (flat) gray emp. tinge
Mesquite
Big Cereus (like Stein's Pass)
Opuntia
Florida resinous Euphorbia?
Winged Cherimoya
Fringed whole (like Stein's Pass)
Cholla - dwarfed shrubs
Fine Mesquite (not so old as here)
Cholla,
Holiphis-like, gray emp.
Yellow
Opuntia flat
Yellow Clematis
Gray Sage brush

At Luna we ran out of Lassen belt, but plenty could be seen toward mts. Again entering it, I ran many miles in it. This changed to a reddish desert with abundant sagebrush, bunchgrass, etc. is this extends beyond Bowie.
Then came some grass & a few pines.
Everything looks high, as it has been raining.
On the grassy plain we struck miles of yellow Chamella? So much that air was strong with it.

Willcox, Ariz. is quite a town & has what seems to be an old Mission church.
The Chamellas field is just before getting into Willcox, & extends into town, and beyond it. Trees in streets, — ash — cottonwood, etc.
The plain is yellow with Chamella? for miles beyond Willcox.
Struck a great alkali plain (almost bare) a little W. of Willcox. A large part was covered with water. It is several miles long, & probably ½ or 2 mi wide.

Reached Tucson about 8 pm & put up at Williams House.

Fri. Aug. 25.
Start about 11 a.m.
in charge drivers
working [illegible]
& working small handcart
of 11 dec. starts for
the Cream Lake, about
2 mi. S of Tucson.
The outfit in the
charge one to cook,
the other to work in
Laboratory Cook &
I now are busy making
Cream preparations on
about common [illegible]
[illegible] & [illegible]
[illegible] & load out
to the hospital, [illegible]
[illegible] & [illegible]
hauled up to the
Cazarepie Desert
Laboratory, & [illegible]
working up Laboratory

Laboratory, on a roll of
duck. The building is
shaded, [illegible], & built
of unplaned [illegible] wood
& is moderately well equipped
with physiol. apparatus,
chiefly moisture app.,
The library is also only
fair, & lot more is
needed. I saw neither
Dr. Cannon, nor
Prof. Thornber, who
spends a lot of his
time here.
Thus far the investigation
has been confined on
soil & moisture alone.
They have no hothouse
as yet (how like S.H.S.!)
but expect to get one
soon. A young
man was in charge
altogether the trip

was cleared, & profitable,
but it was doubtfully
lost; one of the shortest
days of my life.
On my return I blew
up, changed some
packers, & at a little
after 9 P.M. started
for the west.
I fell asleep and
awakened at Yuma,
early, on the morning
of Aug. 26th, & saw
for the mountains I saw
Cholla, Ocotillo, Sen.
Opuntia, Larrea, Palo Verde,
the smaller Prosopis, &

Ari. Aug. 26.

Awakened at Yuma, &
crossed the Colorado, but
not an imposing stream.
The country west of
Yuma, in California,
for many miles the desert
is flat, though mountains
are visible on the
north. On this desert
I recognize Larrea,
Ocotillo,

About Ogilby on S. side
for several miles there
are fine sand-dunes,
heaped up in fantastic
shapes, & with sharp
"combs" or crests. They
are almost bare of
vegetation
The general desert is
more or less gravelly,

(As we crossed the river at Yuma we saw the tracks of the Yumas, who have a reservation here.
One buck, dark-brown, barn, spindly, but active looking, was visible.)
The rocks which lay scattered parallel with the RR, on the right are rough & ragged, broad broken into points, & seem to be barren.
A cribbed station. Aproximately 8 miles from San Diego, & the towers are near.

At the 679 mile post from San Diego

we came to the very front of the end of the great sand dunes. We then ran to mile post 676½ over a sandy plain, which extended far to the southern. This sand-dune are in effect! They are about 32 miles long.
Beyond 676 the desert is again more gravelly. Larrea scattered all over.
Beyond Flowing Well Larrea practically disappears, & the desert is now barren, but shows dry small plants.
Beyond the sand dune area, & indeed over it,

may be seen westward for the S. There is a great low intervening plain — now very barren (the trees (low, scrubby) which I have seen scattered along are probably Mesquit. Romes about Phoenix. The desert is very desolate, — cut up by small arroyos yellow. It looks like good soil. The extends to a great depth of water S. of Mach. Its probably all alkaline, tho' no white incrustation appears.

At Bertram 256 ft below sea level.

The whole country

for many miles in Florida. The in-take at the Archuleta irrigating ditch bore from the water is pouring in from a point in the Colorado river 150 ft above sea level. The So. Pacific has already been compelled to move its track E. of Bertram, if this keeps on they will have to move to the foothills N.

The water is now said to be 15 ft deep in places.

As soon the sugar factory is in water the station practically is.

at Cochalla the
country looks rather,
irrigated, of course.
India was seated about
9 am. & we had a good
breakfast.
India has cottonwood &
palm trees. & looks
pleasant.
Mesquit is very common
in this part of the
country
The mountains are rather
near on both sides
Because somewhat mesquit
driveway beyond Petro.
At Petro are vineyards
& orchards.
The sand in Yuma
dune are in
whitish (yellowish)
on it is mesquit, often
Larrea the gray
wing fruited chenopod)

At Pilot Springs there
is another little palm
oasis. Beyond that
there is a strange
erect cactus, with a
cluster of club like
branches at the top.
There are also some
Ephedras. Larrea still
continues.
In places there are
large boulders - the
whole plain covered with
them as we approach
the San Jacinto Mts.
Ephedra is very common
in here.
Both the San Bernardino
& San Jacinto Mts.
rise abruptly out of
the plain.
At Whitewater the
station is near base of
San Jacinto Mts, &

this would make a
good stopping place.
The bathing sea
near by would give
many pleasures.
Cabazon is another
good place. Palms
4 miles near by.
Orchards,
at Banning fine fruits,
apricots, etc. Cider,
Eucalyptus, etc.
There are also great
grain fields here.
The San Jacinto's
run out into a series
of low hills.
At Beaumont we
get up to 2500 ft.
& are fairly in the
hills. There are
great walnuts, plum
& peaches, also large

fields of grain, alfalfa,
etc. a lot of citrus, do.
Eucalyptus, cedar,
Lombardy poplar, etc.
are met.
A fine region.
Near El Casco are
olive & orange orchards.
Redlands may be seen
at foot of mts., 4
miles away.
Colton has a fine park,
& the country around
looks fine.
Before reaching Ontario
saw splendid orchards.
Kaffir corn fields, &
great vineyards.
Reached Los Angeles at
about 2.15 PM.
Train doesn't go out
until 11.30 tonight, &
I have a long wait
before me.

went out to West Lake Park & took some views. Returned, I changed plates, wrote cards, got lunch, etc. A big Washington filifera stands in front of S.P. depot. A metallic plate on it says that about a 1000 averaging 80 ft. in height are found in a canon near Palm Springs on the S.P. We started for the N. at 4.30 at night, & I went to bed.

Sunday Aug. 27, 1905
I awaken at Tehachapi. Here we enter the mts. & travel for a long way on a winding road, with tunnels, & a great deal

among mts sparsely timbered with scrubby & scrawny oaks, occasional low pine etc. It seems to be dry now, but all grass-covered.
Caliente is a good point for work. We got out of the mountains before reaching Bakersfield. Now level on until we reached the country is a great plain — dry but with orchards & vineyards where irrigated.
There is evidently much oil beyond Bakersfield.

Reached Raymond at
3.45 PM. & I took a
walk out on the mounty
took pictures & secured
some pressed material.
Spent the night at
the Raymond Hotel
(2nd) Balance party
came in in the morning
(100 or more)

Monday Aug, 28, 1905

Left Raymond on the
fast mail at 7 Am
In the party was Mr.
McCord conducting the
large party of R.R.
commissioners of the
several states
Mr. & Mrs. Fallon of
Chicago (lawyer) &
Mr. Brown, the Sec.
of Internal Affairs

of Pennsylvania.
We reached Wawona at 2 PM
On the way much timber
is cut, & there is a
great flume our 60
miles long. (Merced River?)
We had lunch at Wawona
& at once struck out ~~for~~
for the big trees.
Collected many plants,
went to Wawona Pt.
We did not reach the
big trees, & spent the
night on hay (in the
barn) at the of my
house.
Mr. Wheeler, in charge,
was rather surprised
to find us coming in
at that time of the
night
Saw a deer in the morning,

Tues. Aug. 29
We spent the day among
the big trees. It
was a splendid day.
I cannot give a record of
all the interesting
but the sequoias &
Mighty pines are
splendid!
Met Mr. Leitch the
autodrom, — an odd
person. Also
Mr. Reichel, the
Bavarian photographer.
We spent the night
at the cabin in
the Mariposa grove.
Wed. Aug. 30 1905
Next morning we hiked
down walks, steep &
rocky down the
trail, & reached
Wawona at 12.45 P.M.

We had lunch &
started for the Yosemite
at 2 P.M. Reached
there after 6 P.M.
There were great
fires in the Yosemite &
no effort made to
stop them. We
met no big party
on the return trip.
We had a view of
the valley from
Inspiration point & saw
the Bridal Veil Falls.
The Yosemite falls
are now dry.
Had a fine view of
El Capitan.
We had supper at
the Yosemite Hotel &
then walked a mile
to Curry's camp where
we put up.

Thursday Aug. 31, 1905

Went the forenoon in arranging plants, writing cards. In the afternoon we walked up the Spencer river to the waterworks, & then to Minor Lake. We had good luck with slime molds, plants, etc. We returned in evening, I spent evening ~ mounting slime molds.

Went to bed at 1 AM. & was up at 4.45 for a day's trip. In the evening I had to go to Town for glue, etc., & the delayed me.

Our tent at Camp Curry was in the site of the one in which Br. Le Conte died. Curry has been using the tent ever since & yes. He is a grandson of Indiana Curry. There was much smoke in valley.

Friday Sep. 1 –

We started for Glacier Pt. at 5.45 AM. – a fort. We went by Vernal & Nevada Falls. The forest was beautiful, and the mountain to Ellicoette creek & up the mountain to Glacier Pt., which we reached at 12 noon

Mrs. Fox, an elderly lady from a Quaker at Glacier Pt. & Thos. Hughes is a graduate!

The valley was so filled with smoke that we saw all little. Waited at the hotel at Glacier Pt. for the stage which will take us to Chinquapin, where we change to the Wawona stage. We had a number of fine views during the long, hot precipitous walk. The valley is most remarkable. There is no sign of glaciation. The trail which we followed is about 11 miles long, & has many places

very steep.
The road from Glacier Pt. to Chinquapin leads through a different forest - largely Nonesy pine.
After a breakfast we reached Wawona at 6 PM. & then the night there. I found all our belongings there.

Sat. Sep. 2
Started after 7.30 AM. and drove toward Raymond. The forests are being clear, & it is said will last 30 yrs. The Sugar Pine building co. operates here & they have a flume 60 miles long. This is 4 ft. wide & has 16-18 in of water. Same lumber is carried down & it

takes the trees
12 hrs. to make the
run. They have a
section house every
7 mi. Above
only 2 or 3 lengths
are borned together
& this is increased
until below it is
sometimes a mile long.
They expect to use the
water for irrigation
after fruit is cut.
Sugar pine is best
lumber. Libocedrus
not worth much.
Fires do much
damage, but where
left out young
stuff comes up
fast. We stopped
at Ahwanee for
dinner, 1½ miles in

Traveled with
Mr. & Mrs. S. R. Throckmorton
of San F. — He recalls hail
storm in Fresno City, May 5 - 1874.
a pretty place in a
great valley.
Rocks were repaired by hold-
up stories.
The bandit of 2 weeks
ago had his picture taken.
They are now on his trail.
A holdup between Ahwanee
& Raymond 4 yrs. ago had
killed a stage load of
granite workers, a freight
team & two, two
stages, & a couple of
cavalrymen. A cavalry
troop was near, &
came in sight of
bandit, but he escaped.
From Raymond thence
in the accurate scenery
foot-hills vegetation —
buckeye, oaks, &c.
Reached Raymond Hotel
before 5 PM. & put up.

the line refined to Fresno
Thence now oil &
iron. mine

Sun. Sept 3 1905
Spent forenoon in
drying plants.
In afternoon went
out in foothills,
lichens, etc.
Packed in evening.
Hotel $2 today.
Fine granite quarry
at Raymond.

Mon. Sept. 4
Packed, & left Raymond
at 9 AM for
Berenda. Change
trains at Berenda,
after dinner, & at
2 PM. left for Bakersfield
which we reached
after 6 PM. The
station is Kern
& we took a trip
by car to Bakersfield
2 miles away.

Left at 10½ AM. for
Los Angeles.

Tues, Sept. 5.
Reached Los Angeles at
7.05 AM. Cleaned up,
took breakfast, changed
plates, and at
12.10 started for
Palm Springs,
all the country S. of
Berenda to beyond
Bakersfield (after that
I could not see) was
a great plain,
now very desolate
except near Fresno,
where there is more
irrigation.
Coming into Los Angeles
it is also very desert
like, but rougher
going out of Los Angeles.

then are fine orchards & vineyards & for many miles the country looks better, but is nevertheless very dry.
Colton & Redlands are in a territory of oranges, etc. I saw well constructed irrigating ditches, cement.
We reached Palm Springs at 5^{20} PM, our horses tired, and after leaving all surplus baggage, we started out afoot for Palm Springs hotel, 5 miles away. The walking is rough, & a sand storm swept from the west, —

the direction from which most winds blow, is shown by the leaning shrubs, & indeed Ephedra etc. fairly creeps on the ground.
We reached Palm Springs hotel in about 2 hrs. (ov) & found that Dr. Murray, who has been conducted the place for 30 yrs., was not there, — the only occupant being Herr C. Sytel, a painter from Univ. of Tübingen, who has been in Calif. since 1892 — Herr Murray is off on a trip for health. He takes care of the place, & paints. The season here opens in October & closes in May. He

Sept 23 Paine departed this place 2 days since

says many patients come, but none the second time because the elevator is cross & says them. He's 76 yrs. old.
Mrs. Estes gave us cots on the porch, and we slept well.

Wed, Sep. 6, 1905

We have very early, & after a breakfast of coffee, milk, & crackers, we started for the Palm Canon. We continued south to the Garden of Eden, where there is a great water muffly from Andreas Canon but it is so young & soft,

as the ones holds it in a speculation, & it is not occupied.
We went on to Andreas Canon about 1 mi. beyond (S.W.) of the Garden of Eden, & found small palms, sycamores, two willows, alders, a wild grape, etc., and also a fig tree.
We then went a mile (or so) further to Murray Canon, where we found some water (but no fine a stream as in Andreas Canon), and the palms were fine. Made explorations, collected plants, and started back at 11¹⁵ AM.
The palms grow where

they can reach water
The boys leave pie &
remain drifting as
a protection to other
from heat of the
desert, for a long
time, sometimes they
are known to lose
we reached Palm Springs
Hotel a little before
3 P.M. Boy Mc was
sick & not able to
travel rapidly, & we
gave up the idea
of trying to reach the
station, & we again
stopped at the Hotel
& Mr. Gutzel got us a
supper of coffee milk
& fancies, & also
bought some grapes (Mission)
from an old Indian.
The Coahuilla Indians

own a reservation of
5000 acres. across the
road from the hotel
grounds. There are
there about 7 families.
A larger reservation is
at Banning.
They are large, well
formed, & look healthy
but it is said they
cannot get used to
houses, & are dying off
chiefly of consumption.
They do not propagate
rapidly, & are dying out
the race fast. It is
& are self-supporting.
The hot springs are
on their ground, & they
charge 25c. for
the mud baths. The
springs are surrounded
by palms, some of which

may be native. They
live in fair houses,
ordinarily raise a
lot of stuff, but
their crops failed
this year.
Their leader is
Capt. Miguel Marquez,
a Bragano with him
for a section of Indian
in the country.
I saw a young woman
& a girl; both fleshy
& vigorous looking.
The older men & women
are broken-vigorous.
The older Pay use
Spanish, the younger
English.
It is a Catholic
settlement.
The best palms are at
Palm Canon, about 2
miles from Mission Canon

Thurs. Sept. 7.
After a light breakfast,
& after I got my palm
stem, we started
for Palm Springs station
& got there about 10 30
A.M. (we started at about
7.30). I finished the
plants, packed, cleaned
up, & at 3.50 P.M.
the Golden State Limited
stopped & took us on.
Mr. Ed. Mulvihill of
Colton, the younger, or
day operator, was
very nice to us, & I
took a picture of his
office.
In crossing the desert
we saw many nearly
white lizards &
2 horned toads of
same color, a little darker.

On the way to Indio we could see a number of groves of palms at the base of the San Bernardino Mts (N. of RR), & cones distinguish the dry drifting sands, etc.
We also saw a small grove out on the flat desert, not far (3 mi.) from Palm Spg. station, toward the San Bernardino
Indio & Coachella, where they irrigate, look very well.
The great Salton basin is now a veritable sea, —

1½ station back from Imperial Jct.

& it seems the water is still rising.
We ran from about 5.15 PM (10. of Salton) until 6.30 PM at (about 2 stations from Salton), along the edge of the sea. They have had to change the track here. We then drew away but could see it for many miles. At Salton all is flooded, they ran us around the station. The salt factory stands away out in the water.
We reached Yuma after dark.
A row of squaws, with an occasional buckskin on the ground & offering beads, pottery, etc. for sale. They are the Yumas,

and large features &
large of frame, with
a deep brown
color, & some straight
black hair.
It was a weird picture.

Fri. Sept 8
Awakened at 5 AM, a
little west of Wickel, Ariz.
Near Benson, Ariz the
surface is a little more
cut, but for the most
part all this territory
is the same broad
valley.
Saw a fine field of
agave E. of Ocha Ariz.
It had been raining
all over the Benson
territory & everything
looks fresh.

The down-turned dead
leaves of the agave no
doubt protect the
stem from the sun.
The plain on which
Deming stands looks
well. All this territory
has recent showers, &
several were in progress
over the plain.
We reached El Paso after
2 PM (Pacific Time).
I changed trains, packed, &
I found here, much to
my chagrin, that the
fool post-office people
had put down my held
order as a forwarding
order, and my mail had
been returned. Telegraphed
to Miss Cavanagh for
numbers of defective plates.

Sat. Sep. 9.
Tuesday packing, went over to Juarez for photos. We sold out 2 frames & a grip of plants (cheap) and shipped a basket & box by express.
I met Will Cady, now a mining engineer at Bisbee, Ariz, and Sam Cavanagh. They called at the Orndorff after seeing Mrs Orndorff in town in the El Paso Stores.
Cavanagh has been in El Paso two & week.
Left at 3.15 PM (central time) for Alamogordo where found my C.R.I.&P. transportation & at once took the train for Clondcroft. All the Alamogordo and mountain

country looks very bright & green, finer than ever before, as they have again had recent rains.
We reached Cloudcroft at about 9 PM & put up at the Virginia.
It rained heavily at night, though it was almost frosty.
Sun. Sep. 10.
We started for Cox Cañon by rail at 7 AM. The morning was bright & fresh.
Collected specimens & fl. plants. Rained at noon & most of the PM. Got wet.
Looked P.M. & dried specimens.
In evening studied specimens & plants.

Mon. Sept. 11.
Day bright, but wind wet. Packer & Starks for Alamogordo at 9 A.M. The mountain vegetation is very luxuriant. All the erstwhile bare glades are covered with green, and the Eriogonum, Estridaya, Coreopsis, etc. are in wonderful profusion. I found few new forms, but all the species are better represented, both in number & size of plants & flowers. This has been an exceptional year, and vegetation has responded splendidly to the munificent gifts of moisture. Reached Alamogordo at 11.40 AM.

Took lunch & went to the mills. Took pictures.

Mr. Caldwell's list of trees wanted.

A. Balsam.
B. Yellow Pine.
C. Red Spruce.
D. Yellow Spruce (Pinus flexilis)
E. White Pine (Black Jack) Ponderosa var.
F. White Spruce.

Mr. Caldwell says.

- ☐ Circulating pump
- ☐ Vacuum pump & condenser
- ☐ Air compressor
- ☐ Boiling pump
- ☐

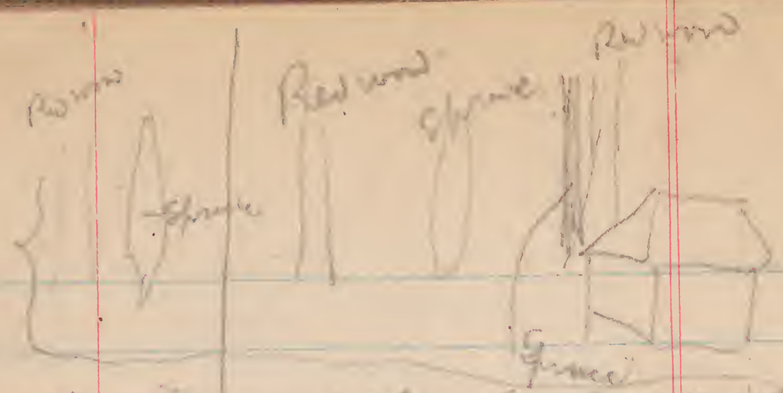
I Pumps } 2½ mi
II. "
A. Ends of retorts
B " " "
Mc Tanks for distilling
n Train of tiers when not
of retorts
18 The Burnetizing Plant
20 Two cars - double tight
oscillating - other not
X Car loaders with their sacks
to go in
XX sawing
9 Sling logs up from pool
10 " " " " " to
13 Pool & logs
14 " "
27 Drill -
28 "
5- view down from the Olympic
6- park "

A shingle bolt is 52 in long, a shingle is 16 in long, so a bolt there are 3 lengths & 4 in for trimming -

We also drove to fort of nets, East & got Beets for Burbank. Returned & after some delay, the limited took us out at about 6.30 PM.
Car crowded

Tues. Sept. 12.
Awakened somewhere in Texas. Journey uneventful All Kansas green & bright. They have had plenty of rain,

Fruit, especially apples,
looks well.
There is much Kaffir
corn in the way.



5 –

6 – View from cabin. Gen Grant in center.

7 – Gen Grant & cabin.

8 – Diamond Group – Redwoods

31 – Confederate group for Schenck

32 – Looking down Confederate group

Spring Seperates in foreground.

I – Sugar Pine (Spike?)

D " " group.

R, " " same as I

S Spruce – with Evergreen

19 View from Wakewah Pt (RS)

20 " " " " looking down valley,

C Wet Redwood

D. Wet Sugar Pine

Sugar Pine & Spruce – & Evergreen

26a Redwood Stump Cairn

27 R. " cairn by way up to Stump Pt.

15 – Yellow Pine Wet Cedar

16 – Young Yellow pine

19 – Small Sugar Pine on wall

30 Sugar pine cones, yellow pine right & left

21 – Sugar Pine coloring comes on fire-blight —

17 – Sugar pine – yellow pine to right – Manzanita at base. Mass Sugar Pine among Redwood

18 – Sugar pine to right – in red wood

9 – Redwood

10 – " " – Stump

11 " " Redwood

12 " " Cultured tree

5 – Large sugar pine

7 – Line of conif. forest Redwood

Sugar pine Pines in foreground

N 5 Red woods

27 – Redwood stump

28 – Highly grand

L Highly grand Redwood 500 ft

K Inaccessible surface

F Dead — Redwood

O. Dead sugar cedar – Gen. Sheridan to right

Gen Grant to left – Gen Sherman in center

B Gen Sheridan to right. Gen Sherman to left – 2 – Indian

To left of line

1st Los Angeles charge – to right

2nd " " "

Box, 13	14	15	16	17	18
C	L	27a	29	19	9
D	LL	27b	30	20	10
19	29	31	21	S	21
20	30	32	22	R	22
m	15	I	17	O	27a
n	16	II	18	6	27b
U	27	N	27a	B	15
V	28	I	27b	A	16
R	13	E	I	XX	5
S	14	F	II	X	T
5	17	s	13	F	11
6	18	t	14	E	12
X	11	21	m	27	29
XX	12	22	n	28	30
1	~~21~~		u		31
B.	~~22~~				32

Box, 19

C
D
13
17
18

17 – E of Alan

Density

Cover 25 – 5 Tin – for

14 – Figure 8 of Alan for.

20 – Star off [illegible] 27a

[illegible]

about 5 blocks in for.

3, 14, m n XX

Stand

Burned

27a of [illegible] for

10 a

17. Draft with flowers

18 – Cornelius Prime

[illegible]

[illegible] Park

for E [illegible]

30 – Orchard Lane?

[illegible]

[illegible] from [illegible]

which [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

To left of 1st for Aug
2nd "

Box, 13	14	
C	L	
D	LL	
19	29	
20	30	
m	15	
n	16	
U	27	
V	28	
R	13	
S	14	
5	17	
6	18	
X	11	
XX	12	
A	~~21~~	
B	~~22~~	

Box, 19

C	
D	
13	
17	
18	

Delivery

1	11 - [illegible]
2	12 " [illegible]
2	27a Blue leg, [illegible]
3	27b. [illegible]
3	Blue Leg
5	[illegible]
6	" [illegible]
I	
H	Blue leg
I	
E	
F	
S	
T	
21	Delivery
22	[illegible] 24-65

Aug 17 - E of Allen

27a	Ortho - Dimitria in fr
28b	Yugen in fr.
15	Veronica as 27a
16	Dasyphorin
11	Sphosphorin
12	Ortonitria in fr.
21	Lavia
22	" (another)

Chromo plates
Beadle
Neg plates
Blown rings

Tuesday Aug 25 00
11 - Carnegie Library from Milwaukee
12 - Negatives available [illegible]

[illegible]

Ex from

Fri.
Aug. 25 - 1405 - Dinner.
Soda 10 venus 25, hotel 2.00
Dray 35,
Sat.
Aug. 26 (en route) paper 5, fruit 10,
breakfast hotel 75,
Los Angeles: supper 35 cards 35
stamps 15, bums 5, baggage 30,
carfare 10, plates 55 photos 50
Soda 5 Repair plate box 10

Aug. 27 - Paper 5,
Aug. 28 - Hotel Raymond (~~food~~) dinner 1.50 50
Hotel Wawona 1.00 cards 35
Aug. 29 Wheelmen 4 in hand 50,
Cabin: cards 35, paperhanger 25,
pincushion 25, cards 15,
Aug. 30 Wawona hotel 1.00, Grizzly hotel 1.00
Aug. 31 Curry's camp hotel 3.50, glue 10, notes 50
Candy 5, cards 15, stamps 15,
Sept. 2 - Wawona hotel 3.00, lemonade 20
Raymond - vanilla 5, pillow 25
Sept. 4 Hotel 3.50 - Dinner Berenda 25
straps 25,
Paper 5. Supper Bakersfield 35
Medicine 25 Soda 5 Magazine 20
Carbare 10.

Sep. 5 Los Angeles - Photos 1.50, plate 1.10 breakfast 35
lunch 75 Paper 5,

Sep. 6 - Grapes 25

Sep. 7 Palms 25, Eiffel (Cable) 1.00 ([illegible])
[illegible] 85 Pillow 25

Sep. 8 Breakfast 65 (for two), dinner 65
Supper (El Paso) 25, basket 10, plates 2.00
paper 5, telegram 1.00, med. 40, picture 45

Sep. 9. Breakfast 60, dinner 50, wire 50
carfare 10, wires 10, parcel check 10
Handkerchiefs 2.95

Sep. 10- Alcohol 25

Sep. 11- Hotel (for two) 5.00
Alamogordo Dinner for 2 - 1.00
Horse fodder 10 Soda 10 Paper 10 1.50
Supper for 2 on train 1.35
Pillow 25

Sep. 12 Breakfast for 2 .95
Dinner for 2 .85
Paper 5 Porter 10
Supper for two 1.15

Sep. 13 Breakfast for two .85
Cab .25

Box 14.

✓ 4	1	Carnegie lab. looking W. Tucson	8/25
✓ 22	2	" " " "	"
✓ 29	3	Cereus top - Tucson	8/25 '05
✓ 30	4	" " " "	"
✓ 15	5	Hospital "	"
✓ 16	6	" " "	"
✓ 27	7	Cereus - group "	"
✓ 28	8	" " "	"
✓ 13	9	Sentinel Peak - Tucson from Mission dr.	8/25
✓ 14	10	Cereus "	"
✓ 17	11	Hospital "	"
✓ 18	12	" " "	"
✓ 11	13	Carnegie Lab Tucson from Mission dr.	8/25
✓ 12	14	Dirt on which Carnegie Lab stands	8/25

Box 15

✓ 27a	1	Cereus	8/25 8/29
✓ 27b	2	~~Cereus Wawona Cairn~~ Tucson from Mt.	8/25
✓ 31	3	Cereus, Opuntia, Palo Verde - Tucson	8/25
✓ 32	4	Cereus " "	"
✓ I	5	Palms at Tucson	Aug 26 1905.
II	6	(Sporlin)	

✓ H	7	Carnegie lab looking N.E. Tucson	8/25
✓ I	8	" " " E. "	"
✓ E	9	Cereus - body from Aug 29 1905.	
✓ F	10	~~Cereus - rib~~ see 7 & 8 box XIII.	" " "
✓ 3	11	Cereus v2 Palo Verde - Tucson	8/25
✓ 4	12	" " "	"
✓ 21	13	2 large Cereus	"
✓ 22	14	Cereus	"

1 - Oak with scars - Yosemite

Box 16.

Chal 29	1	White oak - Raymond	8/27
30	2	Oak " "	" 8/27
✓ Ec 24	3	P. sabiniana - Raymond	8/27
✓ 24	4	" bark "	"
✓ Ec 12	5	Oak with Rhododendron Raymond	8/27
✓ 18	6	P. sabiniana "	"
~~7 (rev) Cereus Wawona Cairn 8/29~~			
~~Cereus Cairn ½ way to Wawona Pt. 8/29~~			
I	9	(Sporlin)	
✓ II	10	" " group	"
✓ 13	11	P. sabiniana	
✓ 14	12	manzanita	

W 13 Pinus sabiniana & shrub
W 14 Hume & White Oak (Mach) Raymond.
W 15 Pinus sabiniana " "
7 - Hills at Raymond - Mach.
~~8 - [illegible] BS.~~
9 - Rock in front - Yosemite

Box, 17

✓ 19 1 Pine from Wawona Pk. BS 8/29-05
✓ 20 2 " " " " acorn valley "
✓ S 3 Spruce with Incense 8/29
✓ T 4 Sugar Pine Mariposa grove 8/29
✓ 5 5 Redwood & Spruce cabin 8/29 05
✓ 6 6 Inside cabin - Gen. Grant in center Mariposa 8/29
2 in center,
✓ B 7 Gen. Sheridan to right, Gen. Sherman to left Mariposa 8/29
Gen. Grant to left.
✓ A 8 Redwood cabin Gen. Sheridan to right " "
✓ XX 9 Dracaena group redwoods Mariposa 8/29 15
✓ Y 10 Gen. Grant & cabin. - Mariposa 8/29
✓ F 11 Dracaena and wood (see 10) BS
✓ E 12 Giants carved 9x10 ave 15 Mach
✓ 27 13 Beech drops - Mariposa 8/29
✓ 28 14 Grizzly Grant " "

Box, 18.

9 1. Redwood - Mariposa 8/29
10 2 " stump
✓ 21 3 Sugar Pine, cones - over precipice 8/29
✓ 22 4 — Cedar? - do 2 plates
View from cabin — Mach.
✓ 27a 5 ~~Pos abiniana - Raymond. Aug. 27~~
✓ 27b 6 ~~View across cañon - Mach.~~
✓ 15 7 Yellow Pine & Cedar - Wawona 8/29 05
✓ 16 8 Young Yellow Pine " "
✓ B 9 2 large Sugar Pine - Mariposa "
✓ t 10 Conif. Picea in flow - Mariposa - middle Sugar Pine " "
✓ 11 11 Redwoods Mariposa 8/29 BS
✓ 12 12 " " 8/29
✓ 29 13 Small Sugar Pine on rock - Mariposa 8/29
✓ 30 14 Sugar Pine center, Yellow Pine right & left " "
✓ 31 15 Confederate group wood from Oakhurst 8/29 05
✓ 32 16 Looking toward Confederate group from opposite in foreground 8/29

Box 19.

C 1 Mt. Raymond - from Wawona Pk. 8/29 15
D ✓ 2 Mostly Sugar Pine " "
13 ✓ 3 Sugar Pine & Spruce & Incense " "
✓ 4 [illegible] 8/29 "

Red woods

✓ 5. ~~Raymond Hill.~~ 9/3.

✓ 6 San Jacinto Mts & desert
✓ 7 Cactus Palm Canyon
✓ 8 Views from
9 summit of Mts. Garden of Gods
10 made these lowest five in
lot & nos. 1–5 were
next. then came

✓ 11 Plaza
✓ 12 The Mary adobe fence & alfalfa
✓ 13 Series Brickyard & tailing
✓ 14 Sept. 9. 05 Irrig. ditch
✓ 15 Viewing Rio Grande
✓ 16 " of Mexican adobes
SE Paso.

Box 20

✓ 23 1. – Office RR. Palm Spg. Ed. Mudvihill Colton, Cal. 9/7 05
✓ 24 2. Palms at station – 10 yrs. old – N. end small. 9/7
✓ 3. Palms – Palm Spg. Hotel 9/6 – 05
✓ 8 4. Palms at mouth of Canon – San Jacinto Mts. 9/6
✓ 5. Old palms (Spoiled) (see 16)
✓ 6. Young Palms
✓ 15 7. General view of desert – near RR. 9/6
✓ 16 8 San Jacinto Mts. from station "

25
16
150
25
400

✓ 9 9 Ephedra wind – fast to left. 9/7
✓ t 10 Yellow Grub. (like juniperus) – wind "
11 11 Palms (Spoiled) 9/6
✓ 12 12 Young Palms – Palm Spring. "
E 13 Indian (Spoiled) "
✓ F 14 Palms along road & around spring. "
m 15 = no 1 (Spoiled)
✓ n 16 Palms – Morongo Canon
6? & 16? are from one of the palm
canons.

Box 21

✓ 1. Young Palms at hot spring 9/6 – 05
✓ 2 " " " " " "
3 (Spoiled)
✓ 4 ~~Spoiled~~ Cactus – this
✓ 5 Palms are walking slope
✓ 6 shoulders – Morongo Canon
✓ 7 Andreas Palms.
✓ 8 Palms – Morongo Canon
✓ 9 " " are mine.
✓ 10 " "
✓ 11 " – Andreas
✓ 12 " "
✓ 13 abandoned such – Palm Spg.
✓ 14 Palms Palm Spr. – looking S.E.
✓ 15
✓ 16. Palms Palm Spr. looking N.E.

1905

Plates (Photos)

all 27s

Box. 1. (Begin at top in all cases)

1- Scant forest W. of Cloudcroft.
2- Heavier " " " "
3- White Sands - distance } all Aug. 11-1905
4- " " "

Then 12 plates, including
View of plain, Tularosa - Aug. 9.
11 Views of peak, dunes & other
at Alamogordo - Aug. 10.

Box. 2. all but 1 & 2 = 27's - Aug. 12-1905

✓ 1- Distant view of Wh. Sands } Orthochrom
✓ 2- " " " " "
✓ 3. S. bridge, looking down - grnd.
✓ 14 4- Clearer slopes - from S-bridge - W. of R.
✓ 5- S-bridge - looking up.
✓ 6- Small "White-oak" near S-bridge
✓ 7- Deforested slope N.W. of Cloudcroft
✓ 8- Forest covered " " "
Tree at center, or right(?) is White Spruce
✓ 9- White Spruce - N. of Cloudcroft
✓ 10- " "
✓ 11- Wh. (Spruce) stand - from towers on S-bridge

✓ 12- Spoiled
✓ 13- Looking toward Virginia hill Cloudcroft
✓ 14- Looking W. along Chipmunk Ave. toward the Lodge - Cloudcroft.
✓ 15. Looking from Railroad station - "
16 - Looking (Spoiled) R.R. from depot - "

Box 3. Aug. 14-1905

✓ 1- Logs at end of shiteway - Lucas camp } Orthochrom
✓ 2- Ties - " "
✓ 3- White Pine - Central Tree " " } Orthochrom
4- Balsam " "
✓ 5- Bank of Balsam " " } Orthochrom
✓ 6- Mexican village - Rincon camp
✓ 7- Logs at end of shiteway (dump) Lucas camp } Orthochrom
Show slide coming from slide.
✓ 8- Where the "slides" meet. Scott Camp
✓ 9- Sliding logs - Lucas camp } Orthochrom
10- Prop. up w/ spruce
(Spoiled)
11- Where the slides meet. Scott camp } Orthochrom
✓ 12- Looking from the sliding logs Scott camp
✓ 13- Log main camp - Lucas camp
✓ 14- View N. from Spruce (Spoiled) on from Peak of Lucas camp } 27

✓ 15 Log train / Russian cañon Y } 27
✓ 16 " " " / Russian Y
the 1st 8 are O.K. - these may be mixed.

Box 4 - all 27's
all Aug. 14-1905

✓ 1 - 2.
✓ 2 - Skidway & front - on slope - Lucas cañon
✓ 3 - Bridge skidway - Scott cañon
✓ 4 - Looking down skidway " "
✓ 5 - Log train - Russia - Y
✓ 6 " " " Y
✓ 7 Looking down Russia cañon - Mexicans home
✓ 8 Log cars & Mexicans - Russia cañon.
✓ 9 Farmhouse cañon low Russia cañon
✓ 10 Looking down Russia cañon from tank.
✓ 11. Deforest. - looking up Russia cañon
✓ 12 Looking up Russia cañon
✓ 13 Where the skids join - Scott cañon
✓ 14 - ~~Blank (?)~~
✓ 15 Bacenhart log-loader. Lucas cañon
✓ 16 Boys sawing Red spruce - " "

Box 5 all 27's

Aug 14 1905
1 - Skidding logs - Scott cañon
2 - 0 spoiled "
✓ 3 - Log train - Russia
✓ 4 Deforest. near Russia
✓ 5 group of Pop. tremuloides Cloudcroft
✓ 6 White oak "
✓ 7 Scrub oaks "
✓ 8 - White oaks "
9 - 3 clusters of Robinia "
10 - White oaks, bull pine (blunt) & Red spruce (sharp) "
11 Red spruce (left) & yellow pine (right) "
12 Boy & donkey "
✓ 13 Looking N. towards Indian Reservation & White Mt. "
✓ 14. Looking at Wh. sands looking "

Aug 15 1905

Box 6 - all Ortho.

Aug 15-1905
1. ✓ Group of White Fir, Cloudcroft
2. " 0 (spoiled) "
3 ✓ Scarlet Silene "

✓4. Rocky ridge with scrub oak, Robinia, & Symphoricarpos - Clouding
✓5. View S. from Lookout - Conif. forest. "
✓6. Scrub oaks - "
✓7. Bark of Wh. oak } "
✓8. " " White 7 in } "
✓9. View S.E. across tennis court - "
✓10 - Rev Spence (to left) & Bullfinch (to right) "
11 - ✓ White Crucifixes (compared) "
12 - ✓ Bullfinch log - struck by lightning "
13 ✓ Gilia - "
14. Pentstemon, Eriogonum, & tall cream colored Compositae - "
15 ✓ Log train - Lucas Canon -
16 - ✓ Barnhart log-loader, & Lucas Lucas Canon

Aug. 15-1905

Box. 7. (Sent from El Paso -)

1. Passiflora. 27's
2. " (small) 27's
3. Opuntia in fr. Orthe.
4. Yucca - " fr. "
5. Dasylirion - "
6. Opuntia in fr. "

7. Yucca no. 3. 27
8. Dasylirion - 27
9. Shrine gate on ridge - El Paso - Orthe?
10. Passing group here - Orthe? Mexican
11. Walls of sand-cement on dam.
12. Lower dam - El Paso
13. Lower dam from above -
14. Looking down canal on Am. side
15 - Over Rio Grande on lower dam
16. Down canal on Am. side

Nos. 1-8 incl - E. of Alamosa

Aug 17, 1905

Nos. 9-16 - W. El Paso. Aug 19-1905

Box. 8 Aug. 19-1905

1. Residence in W. El Paso
2. View of Mt. Franklin from compound
3. Small park near Sweeton
4. View S.E. down to Juarez.
5. Across the Rio Grande - S. of pumping house.
6. Wire dam & Mexicans

7 Ore 7 & 13 bins
8 Upper dam from above.
9 Smelter & Mex. village.
10 (Spoiled)
11 Across Rio Grande from N. Mex. side of So. Pacific Bridge.
12 Down the Rio Grande from So. P. bridge. – See Bridge El Paso S.O., etc.
13 Mts. on N. Mex side
14 Ocotillo cluster – N. Mex side
15 View over Campbell Mts.
16 View up Rio Grande Valley

Mostly 26

Box 9 Nos. 1-8 – Aug. 19 – 9-12 – Aug. 20
13-16 – Aug. 22

1 Smelter
2 Mex. huts
3 2. across Rio Grande from N. Mex. side
4 2 " " " " " "
5 Up Rio Grande above So. P. bridge
6 From El Paso S.W. RR. across Mex. village
7 General view of Mexican village.
8 (Blank)
9 Big Cross – Mt. Franklin
10 Rocky cliffs with Lemay and Mason

11 – Quarries in Mt. Franklin
12 Big Cross (to 9) " "
Park & residence – Mundy Heights, El Paso.
13 – Blank – Lost Roll.
14 Residence – Mundy Heights. El Paso
15 Lower dam – looking up – El Paso
16 " " " down "

26

Box 10 Aug. 22 – 1905.

1 Lower dam – looking up – El Paso.
2 " " " " – Mex. hut.
3 Sunset School & Boys & Girls – El Paso
4 Residence on hill near Mesa School.
5 " in W. El Paso.
6 Fire (coal) – with water pot. El Paso
7 Carnegie Library & park. El Paso.
8 View up Oregon str. – Looking W. "
9 Fire (cottonwood) – in deflection "
10 Row of cottages off. Sunset School "
11 Mt. Franklin from Mesa School "
12 Mesa school – Yucca – Dasylirion "
13 Old exp.? – Victor Strata – Mt. Franklin "
14 Snap (Spoiled) – Juarez.
15 Water wheel – Juarez –

-26-

Box 11. Aug. 22 - 1905 -

5	1	Plaza & Cathedral - Juarez - from Commercial st.
6	2	Burros - Juarez.
27a	3	Up irrig. ditch from water wheel - Juarez
27b	4	Water wheel - Juarez. near view
"	5	Burros & cart - Juarez.
12	6	Water wheel - "
13	7	Plaza de Toros - Paso - " (Bull ring)
14	8	View up irrig. ditch - Juarez.
19	9	Cathedral - looking W. Juarez.
20	10	Looking E. along Commercial st. "
m	11	View E. on Calle de Hidalgo - Juarez
m	12	Acatillo goat pen - "
x	13	Mex. Cockyard, etc. "
xx	14	View down Rio Grande from bridge

Box 12. nos. 1-8. Aug 23, nos. 9-16 Aug 24

Deming, N.M.

x	1	Yuccas
xx	2	"
m	3	Yuccas "
m	4	& goats - snap
19	5	Grove E. of Deming
20	6	Street etc. view before

13	7	Yuccas
14	8	"
27a	9	Blue legum. shrub
27b	10	Desert with " " "
5	✓11	Looking down river
6	✓12	" up " from bed,
27	✓13	Yuccas
28	✓14	"
"	✓15	Mesquit
12	✓16	" & sand dune
21	17	Yuccas
22	18	"

The thin plates are Eclipse.

Nos. 1, 2, 3, 4, 5, 6, 9 & 10 - Aug. 26 - 1905 Los Angeles
" 13, 14, 11, 12, 15, 16, 7, 8 - Tucson, Aug. 25 '05

Box 13. 1, Pepper tree W. Lake Park Los Ang

D.	2	Eucalyptus - with Pepper tree " " "
19	3	W. Lake Park Los Angeles
20	4	" " - coal boat
m	5	Washingtonia - snap - W. Lake Park looking
m	6	time " " "
M	7	Washingtonia - Los Angeles " "
V	8	Washingtonia " " " "
R	9	Fountain W. Lake Park, Los Ang.
S	10	Pennate Palm " " " "
S	11	Cereus - Tucson
G	12	" "
x	13	Branching cereus & palo verde - Tucson -
xx	14	" " " "
A.	15	" " " "
B.	16	" " "

Trip to Alamogordo N.M.

Aug. 8th — 1905.

Aug. 7 -	Beans & veal loaf	1.50
	Tape 10 Bread 5	.15
	Repair camera case & grip	.25
Tues. Aug. 8	Hack & baggage	.50
	Dinner, sleeper 1.50	1.80
Wed. Aug. 9	Breakfast & dinner	1.30
	Supper 50 Pillow 25	.75
Th. Aug. 10	Breakfast 20 Twine 25	.45
	Papers 10 Cap. 10 Tomatoes & bottles 20	.40
	Brush 10, glass 5 Ticket for Cloudcroft 3.00	$3.15
Fri. Aug. 11 -	Drag 50, supper 35,	.85
Sat. Aug. 12 -	Bottles 25	25
Sun. Aug. 13	Lunch 15 paper 5	20
Mon. Aug. 14	RR fare to Russia 40.	40
	Apples 5 lunch 10	15
Tues. Aug. 15	Lunch 10, paper 5	15
Wed. Aug. 16 -	Drag 50 Hotel (drag 7.00)	7.50
	Papers 25, Mending canteen 15,	40
	Express 1.75 tape 10	1.85
Th. Aug. 17.	Bread 5 Crate 1.50 drag 25 strips 20	2.00
	Hotel 4.50 Cyanide 5	4.55

Fri. Aug. 18 -	Breakfast 20 paper 5	.25
	Drag 15 Dinner 50 car 15, ring 25	1.05
	Cards 50, stamps 40, booklet 15	1.05
Aug. 19 -	RR fare to Anapa 35	.35
	Breakfast 25 Bread 5 supper 25	.55
	Sodas & lunch 25 Carfare 15	.40
Sun.	Papers 25 Mag. 10 vials 15	.50
Aug. 20	Breakfast 25 dinner 30	.55
	Paper 5 shine 10	.15
	Carfare 10 Supper 25	.35
(Mon.) Aug. 21.	Meals 85, repair grip 30	
	basket 10, glue 10, Magazine 35	
	Sodas 25, Whip 75, rings	$1.50
Tues. Aug. 22 -	Meals 85, soda 15	
	Carfare 20, sodas 20, cards 10	
	stamps 10, cider 1.50, handkerchief 35.	
Aug. 23.	Hotel 2.50 Breakfast 30 Bread 5 Haircut 50 Paper 5	3.50
	Berring - lunch 30 cards 20 stamps 5	
Aug. 24	Hotel 1.45 lunch 30	
	Dinner - hack 25 twine 25 cards 30	
	(Mon & Tues forgot)	

190

Wellhouse zinc tannin

In this use 1/2 % of glue

In Burnettizing they use
neither tannin nor glue.

Prof. Macbride
539 3rd Ave, San Francisco
Until about 26th of Aug

El Paso

~~Centerpiece – photos Juarez~~
~~Plates (4 whole boxes)~~
~~Shoes~~
~~Cards Juarez~~
~~Ring~~
~~Change plants~~
~~check~~

Alamogordo

Burnettizing   change plants
Bachtel   ticket.
Mt. ask

Aug. 11 – Cards 25,
soda 20

Aug. 11 – Cloudcroft
Cards – 30 Wed.
Paper 5.
Aug. 12 Beadwork 1.50

Indian Springs hotel [illegible]

- m (o u) – 11 is a dump
  Old palm
- m (o v)
- E Indian house
- 12 young palm
- x Palm at hot spring
- xx " " "
- o Palm along [illegible]
  [illegible]
- [illegible]
- 2 – [illegible]
  [illegible]
- 3 – [illegible]
- 1 – yellow [illegible]
- 15 [illegible]
- 10 – [illegible]
  [illegible]

23 – office Palm Springs – Col. [illegible] – Colton Calif.
24 – [illegible] 4 stations 18 yrs old 18 [illegible]

Pack Jackets
for upper money
Lumber

Pack Saddles
Douglas, Aspen
(Cover lightweight)

Blankets
to Camp 13

El Paso 16-19

33106
33107
33105

Oil

8.30 am.	0	Alamogordo	4.50
8.35	1	Alam. Jc.	4.45
8.55	6	La Luz	4.25
9.20	10	El Valle	4.01
9.40	13	Pinto	3.41
10.05	16	Highrolls	3.21
10.30	18	Wrylea	3.03
10.55	21	Tokaya	2.45
11.40	26	Cloudcroft	2.05
12.[illegible]	28	Cox Cañon	1.45
12.25	33	Russian	1.25

Bull Pine - Yellow Pine
Yellow Pine - Pine
Douglas Spruce - Red Spruce
White Fir - White Spruce
Balsam - Fir
White Oak -
Cross Ties
1500 per [illegible]
15 yrs - per acre

7-10 000 ft
per acre

Oro Verde - Olive

Mr. J. W. Powell
Good Friend

Lava = Ceramic

2,29 [illegible]

Zapata

✓ Shutter
Nails.
✓ Cards
✓ Mail -
Shine
Bread.
Carnegie Eng. Sta.
Brown
University
Arnold.
✓ Wooden box for Orthop.
Rope - 2 10 ft lines

Members
Mrs.

Jan. 29 Sep. 9.

15 - Rings
16 - Ladder (wood)
& Elastic free
Bars (Intermediate).
29 - Parallel & Stalling
30 - Swing Stick
17 - View of Kingsbridge
18 -
(Stanton street was from
lower bridge)

Lodge Pole -
Sep 26 -
Swing Stick
24 - Hanging Ladder
25 - Rope
26 - Trees
Cliff Dwellers Cave
Rolling Stone
Indian Pueblo
Ladder Pole
Rope Pole
Swing Pole
Bridge Pole